

U.S. DEPARTMENT OF AGRICULTURE  
FOOD SAFETY AND INSPECTION SERVICE  
INTERNATIONAL PROGRAMS

REVIEW DATE

NAME OF FOREIGN LABORATORY

11/29/2001

Veterinary Services Division

## FOREIGN COUNTRY LABORATORY REVIEW

FOREIGN GOV'T AGENCY

CITY &amp; COUNTRY

ADDRESS OF LABORATORY

Dept. of Agriculture &amp; Rural Development

Belfast, Northern Ireland

Stony Road, Stormont

NAME OF REVIEWER

Dr. Gary D. Bolstad

NAME OF FOREIGN OFFICIAL

Dr. Glenn Kennedy, Dr. Robert Huey

Residue Code/Name			abc	cap	lor	des	cbd	ivm	bmz	β-ag					
SAMPLING PROCEDURES	REVIEW ITEMS	ITEM #	EVALUATION CODE												
	Sample Handling	01		A	A	A	A	A	A	A	A				
	Sampling Frequency	02		A	A	A	A	A	A	A	A				
	Timely Analyses	03		A	A	A	A	A	A	A	A				
	Compositing Procedure	04		O	O	O	O	O	O	O	O				
	Interpret Comp Data	05		O	O	O	O	O	O	O	O				
	Data Reporting	06		A	A	A	A	A	A	A					
ANALYTICAL PROCEDURES	Acceptable Method	07	EVALUATION CODE	A	A	A	A	A	A	A	A				
	Correct Tissue(s)	08		A	kid	urine	bile	liver	liver	liver	retina liver				
	Equipment Operation	09		A	A	A	A	A	A	A	A				
	Instrument Printouts	10		A	A	A	A	A	A	A	A				
QUALITY ASSURANCE PROCEDURES	Minimum Detection Levels	11	EVALUATION CODE	A	A	A	A	3 ppb	A	A	A				
	Recovery Frequency	12		A	A	A	A	A	A	A	A				
	Percent Recovery	13		A	A	A	A	> 60	80	86	60-90				
	Check Sample Frequency	14		A	A	C	A	A	A	A	A				
	All analyst w/Check Samples	15		A	A	C	A	A	A	A	A				
	Corrective Actions	16		A	A	A	A	A	A	A	A				
	International Check Samples	17		A	A	A	A	A	A	A	A				
REVIEW PROCEDURES	Corrected Prior Deficiencies	18	EVAL. CODE	A	A	A	A	A	A	A	A				
OTHER REVIEW		19	EVAL. CODE												
		20													

SIGNATURE OF REVIEWER

DATE

<b>FOREIGN COUNTRY LABORATORY REVIEW</b> <i>(Comment Sheet)</i>		<b>REVIEW DATE</b> 11/29/2001	<b>NAME OF FOREIGN LABORATORY</b> Veterinary Services Division
<b>FOREIGN GOV'T AGENCY</b> Dept. of Agriculture & Rural Development		<b>CITY &amp; COUNTRY</b> Belfast, Northern Ireland	<b>ADDRESS OF LABORATORY</b> Stony Road, Stormont
<b>NAME OF REVIEWER</b> Dr. Gary D. Bolstad		<b>NAME OF FOREIGN OFFICIAL</b> Dr. Glenn Kennedy, Dr. Robert Huey	
<b>RESIDUE CODES</b>	<b>ITEM NO.</b>	<b>COMMENTS</b>	
des	14-15	The intra-laboratory check sample for hormones was under development and nearing completion, and was expected to be implemented within the next several months. Positive and negative controls were run with each sample set, and the written corrective action program, employed in the event that an analyst did not get the expected results, was demonstrated.	

U.S. DEPARTMENT OF AGRICULTURE FOOD SAFETY AND INSPECTION SERVICE INTERNATIONAL PROGRAMS				REVIEW DATE 12/6/01		NAME OF FOREIGN LABORATORY DARDNI Food Chemistry Analytical Unit											
FOREIGN COUNTRY LABORATORY REVIEW				CITY & COUNTRY Belfast, Northern Ireland		ADDRESS OF LABORATORY Newforge Lane, Belfast BT9 5PX											
FOREIGN GOV'T AGENCY Dept. of Ag. and Rural Development (Northern Ireland)				NAME OF REVIEWER Dr. Gary D. Bolstad		NAME OF FOREIGN OFFICIAL Dr. Robert Huey, Dr. Sam Mitchell											
Residue Code/Name				chc	op	hm											
SAMPLING PROCEDURES	REVIEW ITEMS	ITEM #	EVALUATION CODE														
	Sample Handling	01		A	A	A											
	Sampling Frequency	02		A	A	A											
	Timely Analyses	03		C	A	A											
	Compositing Procedure	04		O	O	O											
	Interpret Comp Data	05		O	O	O											
	Data Reporting	06		A	A	A											
ANALYTICAL PROCEDURES	Acceptable Method	07	EVALUATION CODE	A	A	A											
	Correct Tissue(s)	08		A	A	A											
	Equipment Operation	09		A	A	A											
	Instrument Printouts	10		A	A	A											
QUALITY ASSURANCE PROCEDURES	Minimum Detection Levels	11	EVALUATION CODE	A	A	C											
	Recovery Frequency	12		A	A	A											
	Percent Recovery	13		C	A	A											
	Check Sample Frequency	14		A	A	A											
	All analyst w/Check Samples	15		A	A	A											
	Corrective Actions	16		C	C	C											
	International Check Samples	17		A	A	A											
REVIEW PROCEDURES	Corrected Prior Deficiencies	18	EVAL. CODE	O	O	O											
OTHER REVIEW		19	EVAL. CODE	C	C	C											
		20	EVAL. CODE														
SIGNATURE OF REVIEWER													DATE				

<b>FOREIGN COUNTRY LABORATORY REVIEW</b> <i>(Comment Sheet)</i>		<b>REVIEW DATE</b> 12/6/01	<b>NAME OF FOREIGN LABORATORY</b> DARDNI Food Chemistry Analytical Unit
<b>FOREIGN GOV'T AGENCY</b> Dept. of Ag. and Rural Development (Northern Ireland)		<b>CITY &amp; COUNTRY</b> Belfast, Northern Ireland	<b>ADDRESS OF LABORATORY</b> Newforge Lane, Belfast BT9 5PX
<b>NAME OF REVIEWER</b> Dr. Gary D. Bolstad		<b>NAME OF FOREIGN OFFICIAL</b> Dr. Robert Huey, Dr. Sam Mitchell	

RESIDUE CODES	ITEM NO.	COMMENTS
CHC,OP	03	Turnaround times for chcs and ops ranged up to two months. Dr. Mitchell indicated he would make an effort to reduce the turnaround times.
HM	11	lead: 70 ppb, cadmium 10 ppb. No testing for arsenic or mercury. chc 10 ppb, op 50 ppb
CHC	13	recoveries: chc - 60-80% (FSIS expects 80%)
All	16	Documentation of corrective actions was provided, but there was very little formal written description of actions to be taken in the event that an analyst's performance did not meet expected standards.
CHC,OP	19	Standards that had expired (several expiration dates of 1999, 1998, and one of 1994 were observed) were still being used for new standard solutions. All new standard solutions were checked, however, by mass-spectrometry for purity and stability and compared with old standard solutions before being used. Expiration dates of the parent standards were not noted on the log sheets for the preparation of the stock solutions. This policy satisfied the written requirements of the laboratory's quality assurance program.
All	19	<p>The standards books were loose-leaf, and pages were not numbered. Information on the sheets was complete, except that the stock solution sheets for heavy metals lacked the countersignature of the supervisor and the instrument printouts for chcs and ops lacked the signature of the operator.</p> <p>NOTE: No slaughter establishment was certified as eligible to export to the United States at the time of this audit. Furthermore, no meat produced at slaughter establishments in Northern Ireland had been exported to the U.S.</p>